

PATENT
Atty. Dkt. No. NVDA P000721**REMARKS**

Claims 1-8, 16-17, 19-20 and 22-32 are pending in the application, and stand rejected under 35 U.S.C. § 103 as unpatentable over Krech (U.S. Patent No. 6,057,852). By way of this response, claims 1, 2, 16-17, 22-23 and 26 have been amended, and claims 19 and 27-32 have been canceled. Entry of these amendments is respectfully requested as they place the application in condition for allowance.

The present invention provides a generalized technique for generating primitive extensions that is applicable to different types of connected primitives including the ones shown in Table III of the present application. The generalized technique, as recited in the pending claims, includes the steps of retrieving parameters associated with the primitive including width (w), step size (s) and anchor width (a), and generating the primitive extension using the parameters. As shown in Table III, different types of connected primitives have different w, s and a values. Figures 9A-B, 10A-B, 11A-B and 12A-B and the corresponding descriptions illustrate the use of the w, s and a parameters in generating a tri-fan, quadrilateral-strip, cube strip, and tetrahedron-fan, respectively, and the data stream corresponding to each. The generalized technique according to the present invention is thus shown to be applicable to different types of connected primitives so long as the appropriate w, s and a parameters are retrieved and used in generating the primitive extension.

In the Office Action, the examiner argues that "Krech did describe how to generate the primitive extension as shown in Figs. 5A to 5G and in Table I, such as, number of vertices to from originating and adjoining primitives, number of vertices to be added to either an originating primitive or an adjoining primitive to form either an adjoining primitive or additional adjoining primitive, and an anchor width (the one is shared by all triangle), indicates a number of anchor vertices to be used." Applicants have reviewed Table I, Figs. 5A-G, and the corresponding description, and respectfully submit that Krech does no more than describe the attributes of a connected primitive such as a triangle fan and a triangle strip.

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There is no teaching or suggestion in Krech that w, s and a parameters are retrieved for the different connected primitives and that these parameters are used in generating the primitive extension, as required by the pending claims. The recognition of certain attributes of a triangle fan (or any other generalized primitive) is insufficient to teach or even suggest that w, s and a values are retrieved and used in the generation of the triangle fan (or the other generalized primitive). Thus, the pending claims are patentable over Krech.

In addition, the examiner's reliance on MPEP 2113 is not proper. The pending claims are process claims, not product claims. The procedure set forth in MPEP 2113 relates to product claims that recite process limitations to further define the product that is being claimed. Since the pending claims are process claims, MPEP 2113 does not apply. The relevant procedure is set forth in MPEP 2143.03, where it provides: "To establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art."

In view of the foregoing, the application is now in condition for allowance, and an early notice of the same is respectfully requested.

Respectfully submitted,



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